

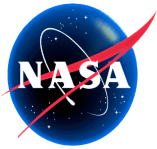
Advanced Information Systems Technology (AIST) Program

NRA-02-OES-04

January 21, 2003

Dr. Glenn E. Prescott
Program Executive
gprescot@hq.nasa.gov

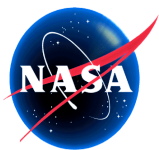
Steven A. Smith
Program Manger
steven.a.smith@nasa.gov



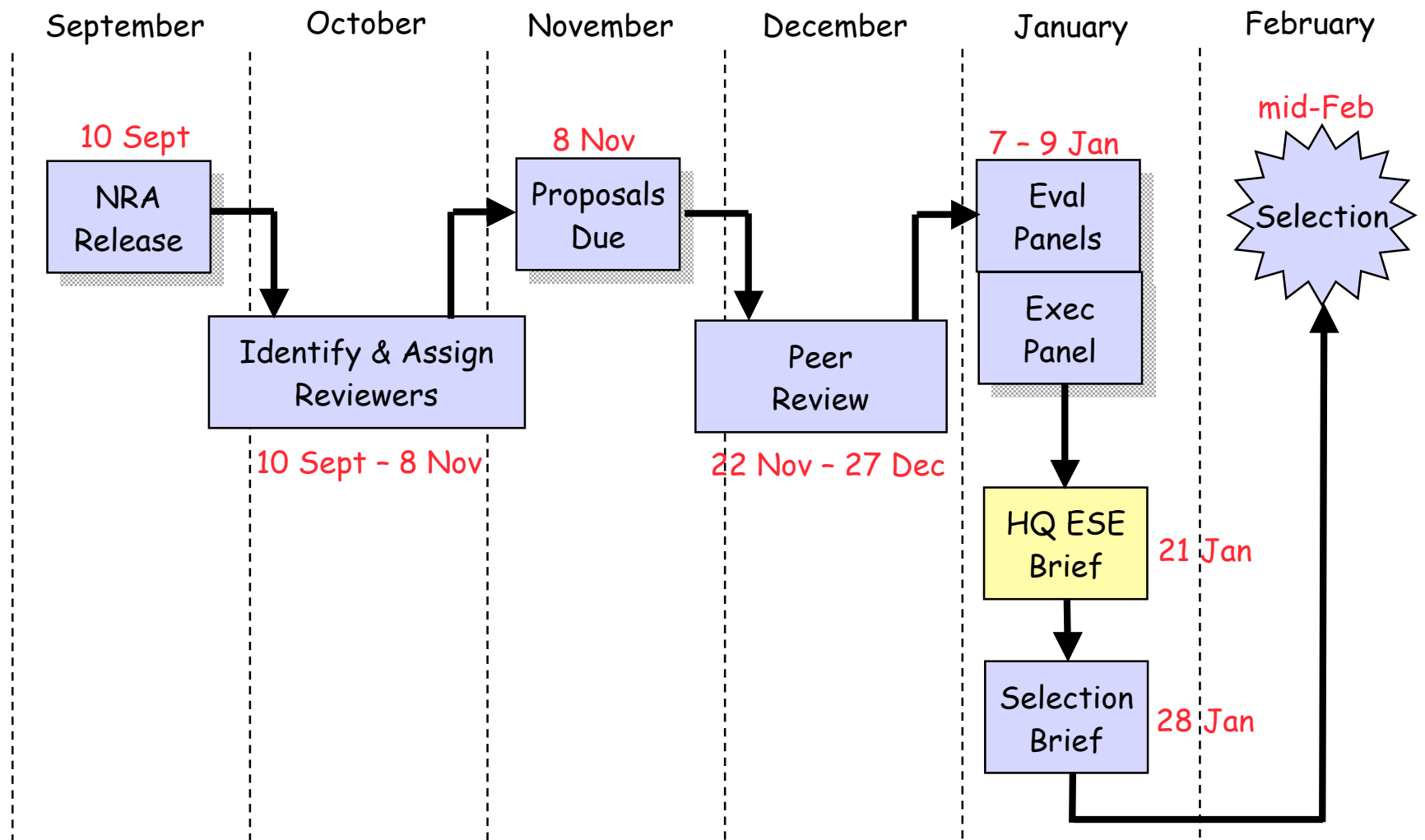
AIST NRA Overview

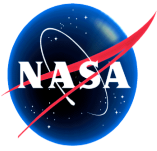
- Goals
 - NRA solicits both hardware and software technology proposals. This solicitation covered both space-based and select ground based technologies
- Proposal Research Topics
 - 1 - **Onboard Data Processing** (due to large response, broken into two panels for evaluation purposes):
 - 1a - Computing Hardware & Software
 - 1b - Memory, Compression, Interfaces, and Specialized Processing
 - 2 - **Space-Based Communication Networks**
 - 3 - **Mission Automation**
 - 4 - **High-end Computing Technologies for Modeling**
- Development of component, subsystem or system technologies with entry Technology Readiness Levels (TRL) in the range of TRL 3 to TRL 6

- ~~Up to 3 year NRA: Maximum 2 year base with 1 year option~~



Selection Schedule





Statistical Summary of Received Proposals

Total Number Received - 200

NASA Centers - 56

ARC - 7

GSFC - 17

JPL - 30

LaRC - 2

Academia - 75 (68)

Industry - 66 (63)

Government - 3

(#) - Non-compliant 10
Number of non-compliance review

Categories:

83 Onboard Data Processing:

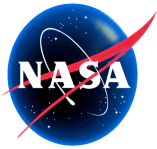
41 - Computing Hardware & Software

42 - Memory, Compression, I/Fs &
Specialized Processing

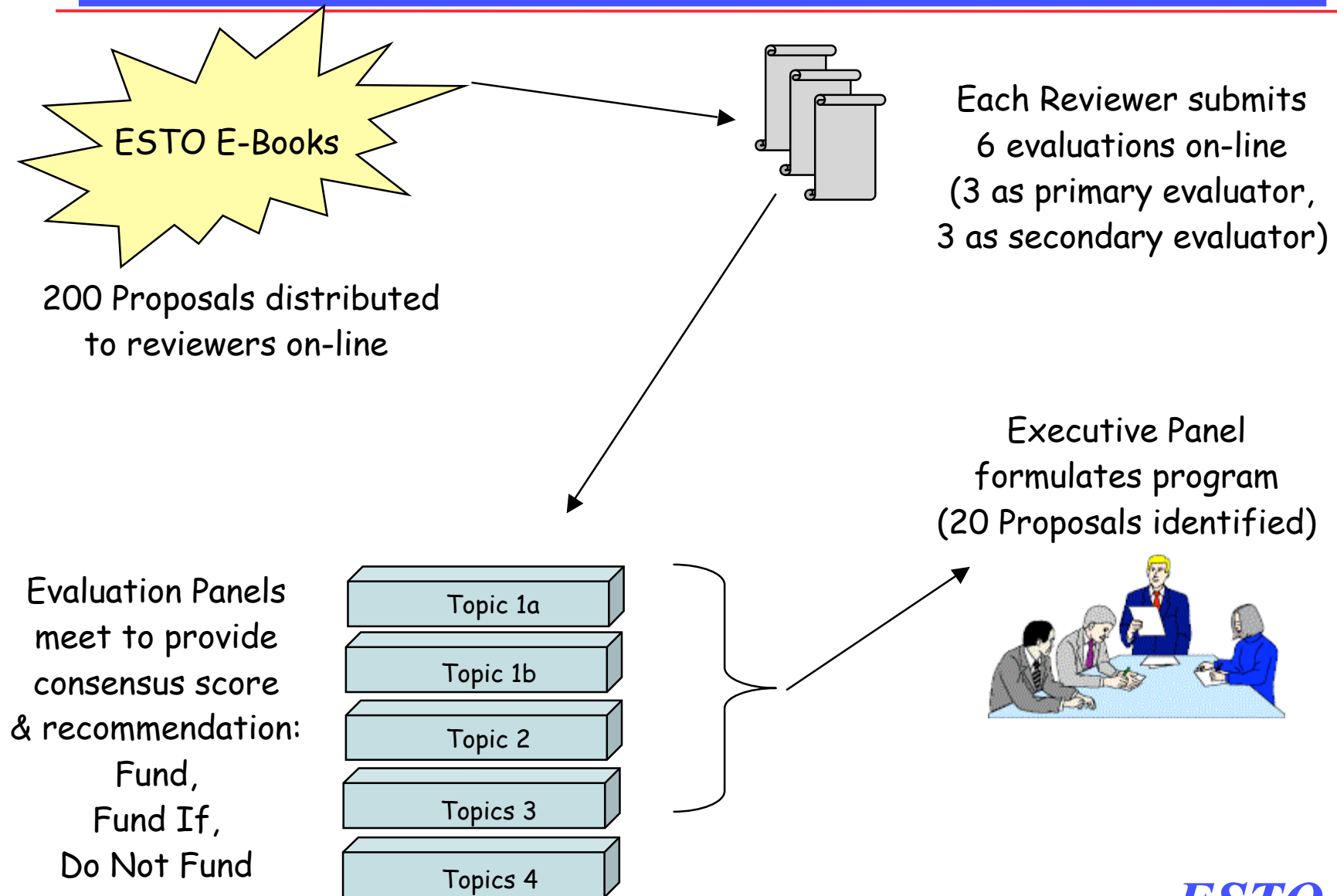
47 Space-Based Communication Networks

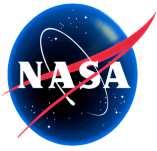
29 Mission Automation

31 High-end Computing Technologies for
Modeling **Total - 190**



Peer Review Process





AIST Proposal Evaluation Executive Committee

Granville Paules	NASA HQ Executive Committee Chair
George Komar	NASA ESTO Program Manager
Glenn Prescott	NASA HQ/ESTO Program Executive
Steven Smith	NASA ESTO AIST Program Manager
Karen Moe	NASA ESTO AIST
Amy Walton	NASA JPL/ESTO
Walt Brooks	NASA ARC/ESTO
Robert Ferraro	NASA JPL/ESTO
Rick Schnurr	NASA GSFC

Jim Fischer
The Executive Committee receives the consensus evaluations from the panels and formulates a well balanced technology program for presentation to the Selection Official for final disposition